

- N.B. :** (1) Question No. 1 is **compulsory**
(2) Attempt any **four** questions from the **remaining**
(3) Assume suitable address and **data** if **necessary**.
(4) **Figures** to the **right** indicate **full** marks.

1. (a) Explain possible attacks on wireless LAN and explain WEP in detail. 10
(b) With neat diagram explain cdmaOne protocol architecture. 10
2. (a) Explain reference model and protocol entities of WATM. 10
(b) What is WLL? Explain the MMDS & LMDS with the help of diagram. 10
State its advantages & disadvantages.
3. (a) Compare IEEE 802.11, HiperLAN2 and Bluetooth with regard to their ad-hoc capabilities. 10
(b) State creatness in the WEP Protocol. 5
(c) Describe PAN applications. 5
4. (a) Discuss the connection management followed in Bluetooth technology. 10
And explain the frame format in Bluetooth technology.
(b) Explain Media Access Mechanism in wireless LAN. 10
5. (a) What is VSAT? Explain the VSAT-to-hub and hub-to-VSAT channel structure with neat diagram. 10
(b) Explain FHSS and DSSS with suitable examples. 10
6. (a) With neat diagram explain the IEEE 802.11 System architecture. 10
(b) Explain the 3G service classes and applications. 10
7. Write Short notes on (any two): – 20
(a) IS-41 protocol.
(b) Mobility management in network operations of NMT.
(c) GSM System Architecture.